






























**1st Advanced Training Course on Illicit Trafficking and
Consequence Management with NUCLEONICA
Institute of Transuranium Elements, Karlsruhe, 22-24th April 2009**

Agenda:

| Day 1: | Nucleonica Application Basics | | Wed. 22 nd April 2009 |
|--------------|--|--|------------------------------------|
| 9:00 |  Nucleonica Overview | | J. Magill |
| 9:30 |  Mass Activity Calculator |  Exercises | J. Magill |
| 10:15 | Participants Introduction | | All |
| 10:30 Coffee | | | |
| 11:00 |  Nucleonica Data Centre | | J. Galy |
| |  Karlsruhe Nuclide Chart / Nuclide Explorer | | C. Normand |
| |  Decay Engine | | J. Magill |
| 12:30 Lunch | | | |
| 13:30 |  webKORIGEN |  Exercises | J. Galy |
| |  Gamma Spectrum Generator |  Exercises | A. Berlizov |
| 15:00 Coffee | | | |
| 15:30 |  Dosimetry & Shielding |  Exercises | J. Galy |
| 16:15 |  easyMonteCarlo: |  Exercises | A. Berlizov |
| 17:00 | End of Session | | |
| Day 2: | Illicit Trafficking | | Thurs. 23 rd April 2009 |
| 9:00 |  Computer Exercises | | All |
| 9:45 |  Detection and nuclear forensic analysis of uranium materials |  Exercises | K. Mayer |
| 10:30 Coffee | | | |
| 11:00 |  Response to nuclear security events | | IAEA |
| 11:45 |  Computer Exercises | | All |
| 12:30 Lunch | | | |
| 13:30 |  Plutonium: an anthropogenic element under nuclear forensic investigation |  Exercises | M. Wallenius |
| 15:00 Coffee | | | |
| 15:30 |  Detection of radiological/nuclear materials for nuclear security |  Exercises | P. Peerani |
| 17:00 | End of Session | | |
| Day 3: | Consequence Management | | Fri. 24 th April 2009 |
| 9:00 |  Radiological Dispersion Devices / Wedge Model |  Exercises | M. Tufan |
| 10:30 Coffee | | | |
| 11:00 |  Radiological Exposure Devices |  Exercises | E. Hrneck |
| 12:30 Lunch | | | |
| 13:30 |  Invited talk: Management of the ²¹⁰ Po case in Hamburg |  Exercises | E. Kröger, BfS |
| 14:30 Coffee | | | |
| 15:20 | Feedback, Questionnaire, Certificate | | All |
| 16:00 | End of Training Course | | |